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(54) BLOOD COAGULATION INHIBITING SUBSTANCE AND PREPARATION

(57)Abstract:

PURPOSE: To provide a blood coagulation inhibiting substance obtainable from an ordinary food, useful for treatment and prophylaxis of thrombosis and having high safety.

CONSTITUTION: A beefsteak plant hot-water extract having a fibrin coagulation inhibition activity is obtained by extracting a beefsteak plant with hot water. A blood coagulation inhibiting substance consisting of a polyol and/or a polyphenol of 30,000-100,000 in a molecular weight having fibrin coagulation inhibiting activity is obtained by further treating the beefsteak plant hot-water extract by a purification process. Specifically, a beefsteak plant is extracted with hot water, liquid is separated from solid, the obtained aqueous solution is treated with a precipitant, the water-soluble component is separated, and it is fractionated by column chromatography. The LD50 of the substance in oral administration to an ICR mouse is $\geq 2\text{g/kg}$.

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